



## Complete Summary

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### TITLE

Perinatal care: percentage of newborns that were fed breast milk only during the newborn's entire hospitalization.

### SOURCE(S)

Specifications manual for Joint Commission National Quality Core Measures [Version 2010A2]. Oakbrook Terrace (IL): The Joint Commission; 2010 Jan. 335 p.

## Measure Domain

### PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

### SECONDARY MEASURE DOMAIN

Does not apply to this measure

## Brief Abstract

### DESCRIPTION

This measure is used to assess the percentage of newborns that were fed breast milk only during their entire hospitalization.

### RATIONALE

Exclusive breast milk feeding for the first 6 months of neonatal life has long been the expressed goal of World Health Organization (WHO), Department of Health and Human Services (DHHS), American Academy of Pediatrics (AAP) and American College of Obstetricians and Gynecologists (ACOG). ACOG has recently reiterated its position (ACOG, 2007). A recent Cochrane review substantiates the benefits (Kramer, et al., 2002). Much evidence has now focused on the prenatal and intrapartum period as critical for the success of exclusive (or any) BF (Centers for Disease Control and Prevention [CDC], 2007; Petrova, et al., 2007; Shealy, et al., 2005; Taveras, et al., 2004). Exclusive breast milk feeding rate during birth

hospital stay has been calculated by the California Department of Public Health for the last several years using newborn genetic disease testing data. Healthy People 2010 and the CDC have also been active in promoting this goal.

## **PRIMARY CLINICAL COMPONENT**

Exclusive breast milk feeding

## **DENOMINATOR DESCRIPTION**

Newborns discharged from the hospital (see the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

## **NUMERATOR DESCRIPTION**

Newborns that were fed breast milk only since birth

### **Evidence Supporting the Measure**

## **EVIDENCE SUPPORTING THE CRITERION OF QUALITY**

- One or more research studies published in a National Library of Medicine (NLM) indexed, peer-reviewed journal

### **Evidence Supporting Need for the Measure**

## **NEED FOR THE MEASURE**

Use of this measure to improve performance

## **EVIDENCE SUPPORTING NEED FOR THE MEASURE**

California Department of Public Health, Genetic Disease Branch. California in-hospital breastfeeding as indicated on the newborn screening test form, statewide, county and hospital of occurrence. [internet]. 2006[accessed 2010 Feb 11].

Centers for Disease Control and Prevention (CDC). Breastfeeding trends and updated national health objectives for exclusive breastfeeding--United States, birth years 2000-2004. MMWR Morb Mortal Wkly Rep 2007 Aug 3;56(30):760-3. [PubMed](#)

Centers for Disease Control and Prevention, Division of Nutrition, Physical Activity and Obesity. Breastfeeding report card, United States: outcome indicators. [internet]. Atlanta (GA): Centers for Disease Control and Prevention (CDC); 2007[updated 2009 Oct 20]; [accessed 2010 Feb 11].

Committee on Health Care for Underserved Women, American College of Obstetricians. ACOG Committee Opinion No. 361: Breastfeeding: maternal and infant aspects. Obstet Gynecol 2007 Feb;109(2 Pt 1):479-80. [PubMed](#)

Gartner LM, Morton J, Lawrence RA, Naylor AJ, O'Hare D, Schanler RJ, Eidelman AI. Breastfeeding and the use of human milk. Pediatrics 2005 Feb;115(2):496-506. [216 references] [PubMed](#)

Ip S, Chung M, Raman G, Chew P, Magula N, DeVine D, Trikalinos T, Lau J. Breastfeeding and maternal and infant health outcomes in developed countries. Rockville (MD): Agency for Healthcare Research and Quality (AHRQ); 2007 Apr. 415 p.(Evidence report/technology assessment; no. 153).

Kramer MS, Kakuma R. Optimal duration of exclusive breastfeeding. Cochrane Database Syst Rev 2002;(1):CD003517. [107 references] [PubMed](#)

Petrova A, Hegyi T, Mehta R. Maternal race/ethnicity and one-month exclusive breastfeeding in association with the in-hospital feeding modality. Breastfeed Med 2007 Jun;2(2):92-8. [PubMed](#)

Shealy KR, Li R, Benton-Davis S, Grummer-Strawn LM. The CDC guide to breastfeeding interventions. Atlanta (GA): U.S. Department of Health and Human Services, Centers for Disease Control and Prevention; 2005. 85 p.

Taveras EM, Li R, Grummer-Strawn L, Richardson M, Marshall R, Rego VH, Miroshnik I, Lieu TA. Opinions and practices of clinicians associated with continuation of exclusive breastfeeding. Pediatrics 2004 Apr;113(4):e283-90. [PubMed](#)

U.S. Department of Health and Human Services, Office of Women's Health. HHS blueprint for action on breastfeeding. [internet]. Atlanta (GA): Centers for Disease Control and Prevention (CDC); 2000[accessed 2010 Feb 11].

U.S. Department of Health and Human Services. Healthy people 2010 midcourse review. Washington (DC): U.S. Department of Health and Human Services; 2007.

World Health Organization. Indicators for assessing breastfeeding practices. Geneva, Switzerland: World Health Organization (WHO); 1991. 16 p.

## State of Use of the Measure

### STATE OF USE

Current routine use

### CURRENT USE

Accreditation

Collaborative inter-organizational quality improvement

Internal quality improvement

## Application of Measure in its Current Use

### **CARE SETTING**

Hospitals

### **PROFESSIONALS RESPONSIBLE FOR HEALTH CARE**

Measure is not provider specific

### **LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED**

Single Health Care Delivery Organizations

### **TARGET POPULATION AGE**

Newborn

### **TARGET POPULATION GENDER**

Either male or female

### **STRATIFICATION BY VULNERABLE POPULATIONS**

Unspecified

## Characteristics of the Primary Clinical Component

### **INCIDENCE/PREVALENCE**

Unspecified

### **ASSOCIATION WITH VULNERABLE POPULATIONS**

Unspecified

### **BURDEN OF ILLNESS**

Unspecified

### **UTILIZATION**

Unspecified

### **COSTS**

Unspecified

## Institute of Medicine National Healthcare Quality Report Categories

### IOM CARE NEED

Staying Healthy

### IOM DOMAIN

Effectiveness

## Data Collection for the Measure

### CASE FINDING

Users of care only

### DESCRIPTION OF CASE FINDING

Newborns discharged from the hospital

### DENOMINATOR SAMPLING FRAME

Patients associated with provider

### DENOMINATOR INCLUSIONS/EXCLUSIONS

#### Inclusions

Live-born newborns discharged from the hospital

#### Exclusions

- Discharged from the hospital while in the Neonatal Intensive Care Unit (NICU)
- *International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Principal Diagnosis Code or ICD-9-CM Other Diagnosis Codes* for galactosemia as defined in Appendix A, Table 11.21 of the original measure documentation
- *ICD-9-CM Principal Procedure Code or ICD-9-CM Other Procedure Codes* for parenteral infusion as defined in Appendix A, Table 11.22 of the original measure documentation
- Experienced death
- Length of Stay greater than 120 days
- Enrolled in clinical trials
- Documented *Reason for Not Exclusively Feeding Breast Milk*

### RELATIONSHIP OF DENOMINATOR TO NUMERATOR

All cases in the denominator are equally eligible to appear in the numerator

### DENOMINATOR (INDEX) EVENT

Clinical Condition  
Institutionalization  
Therapeutic Intervention

#### **DENOMINATOR TIME WINDOW**

Time window brackets index event

#### **NUMERATOR INCLUSIONS/EXCLUSIONS**

##### **Inclusions**

Newborns that were fed breast milk only since birth

##### **Exclusions**

None

#### **MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS**

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

#### **NUMERATOR TIME WINDOW**

Institutionalization

#### **DATA SOURCE**

Administrative data  
Medical record

#### **LEVEL OF DETERMINATION OF QUALITY**

Individual Case

#### **PRE-EXISTING INSTRUMENT USED**

Unspecified

### **Computation of the Measure**

#### **SCORING**

Rate

#### **INTERPRETATION OF SCORE**

Better quality is associated with a higher score

**ALLOWANCE FOR PATIENT FACTORS**

Unspecified

**STANDARD OF COMPARISON**

Internal time comparison

**Evaluation of Measure Properties****EXTENT OF MEASURE TESTING**

Unspecified

**Identifying Information****ORIGINAL TITLE**

Exclusive breast milk feeding.

**MEASURE COLLECTION**

[National Quality Core Measures](#)

**MEASURE SET NAME**

[Perinatal Care](#)

**DEVELOPER**

Joint Commission, The

**FUNDING SOURCE(S)**

No external funding was received.

**COMPOSITION OF THE GROUP THAT DEVELOPED THE MEASURE**

The Perinatal Care Technical Advisory Panel (PC TAP) recommended which NQF-endorsed Perinatal Care measures should be included in the set. Members of the PC TAP are enumerated at:

<http://www.jointcommission.org/PerformanceMeasurement/PerformanceMeasurement/Perinatal+Care+Core+Measure+Set.htm>.

**FINANCIAL DISCLOSURES/OTHER POTENTIAL CONFLICTS OF INTEREST**

Expert panel members have made full disclosure of relevant financial and conflict of interest information in accordance with National Quality Forum (NQF) and The

Joint Commission's Conflict of Interest policies, copies of which are available upon written request to The Joint Commission.

## **ADAPTATION**

This Perinatal Care measure has been adapted from a National Quality Forum (NQF)-endorsed measure.

## **PARENT MEASURE**

Exclusive Breastfeeding During Birth Hospitalization [California Maternal Quality Care Collaborative]

## **RELEASE DATE**

2009 Oct

## **REVISION DATE**

2010 Jan

## **MEASURE STATUS**

This is the current release of the measure.

## **SOURCE(S)**

Specifications manual for Joint Commission National Quality Core Measures [Version 2010A2]. Oakbrook Terrace (IL): The Joint Commission; 2010 Jan. 335 p.

## **MEASURE AVAILABILITY**

The individual measure, "Exclusive Breast Milk Feeding," is published in "Specifications Manual for Joint Commission National Quality Core Measures [Version 2010A2]." This document is available from the [The Joint Commission Web site](#).

## **NQMC STATUS**

This NQMC summary was completed by The Joint Commission on January 15, 2010 and reviewed accordingly by ECRI Institute on February 8, 2010.

## **COPYRIGHT STATEMENT**

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